

L16 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1999:596869 CAPLUS <<LOGINID::20070322>>

DN 131:228555

TI Preparation of hexahydroxytriphenylene inclusion compounds and purification of hexahydroxytriphenylene from them

IN Akada, Atsuo; Hama, Hiroshi

PA Ohtsuka Chemical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 11255690	A	19990921	JP 1998-63172	19980313
PRAI	JP 1998-63172		19980313		

AB Title compds., host-guest inclusion compds., comprising 2,3,6,7,10,11-hexahydroxytriphenylene (I) as host compds. are prepared by dissoln. of I in guest compds. I is highly purified by releasing the guest compds. from the inclusion compds. Catechol (15 g) was reacted with FeCl₃ at 50-60° for 7 h to give 17 g mixture containing 5.03 g I, which was dissolved in cyclopentanone under heating and redissolved in cyclopentadiene to give I-cyclopentadiene inclusion compound (1:3) with 93.0% recovery. I-cyclopentadiene inclusion compound was dried at 95° under reduced pressure for 12 h to give I with 99.5% purity.

IT 244076-74-2P 244076-75-3P 244076-76-4P

244076-77-5P 244076-78-6P 244076-79-7P

244076-80-0P 244076-81-1P 244076-82-2P

244076-83-3P 244076-84-4P 244076-85-5P

244076-86-6P 244076-87-7P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(purification of hexahydroxytriphenylene by dissoln. in guest compds., crystallization, and release of guest compds.)

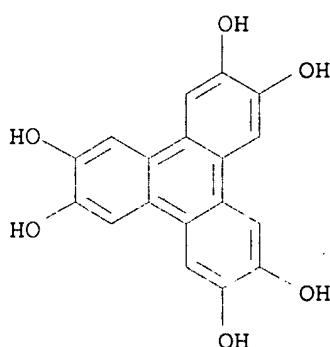
RN 244076-74-2 CAPLUS

CN Cyclopentanone, compd. with 2,3,6,7,10,11-triphenylenehexol (3:1) (9CI)
(CA INDEX NAME)

CM 1

CRN 4877-80-9

CMF C18 H12 O6



CM 2

CRN 120-92-3

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IT 244076-74-2P 244076-75-3P 244076-76-4P
244076-77-5P 244076-78-6P 244076-79-7P
244076-80-0P 244076-81-1P 244076-82-2P
244076-83-3P 244076-84-4P 244076-85-5P
244076-86-6P 244076-87-7P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(purification of hexahydroxytriphenylene by dissoln. in guest compds., crystallization, and release of guest compds.)

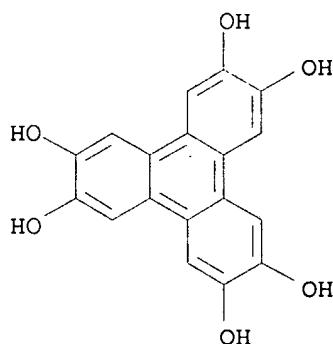
RN 244076-74-2 CAPLUS

CN Cyclopentanone, compd. with 2,3,6,7,10,11-triphenylenehexol (3:1) (9CI)
(CA INDEX NAME)

CM 1

CRN 4877-80-9

CMF C18 H12 O6



CM 2

CRN 120-92-3

CMF C5 H8 O



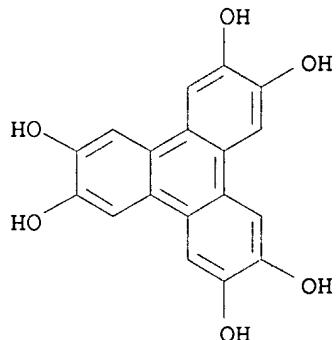
RN 244076-75-3 CAPLUS

CN 2,3,6,7,10,11-Triphenylenehexol, compd. with 1-propanol (1:3) (9CI) (CA INDEX NAME)

CM 1

CRN 4877-80-9

CMF C18 H12 O6



CM 2

CRN 71-23-8

CMF C3 H8 O

H₃C—CH₂—CH₂—OH

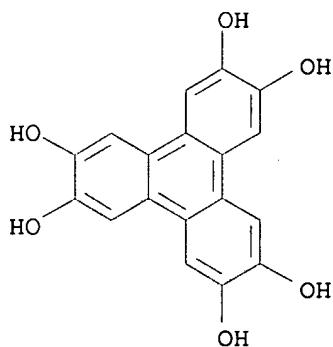
RN 244076-76-4 CAPLUS

CN 2,3,6,7,10,11-Triphenylenehexol, compd. with 2-propanol (1:2) (9CI) (CA INDEX NAME)

CM 1

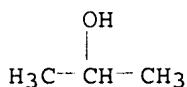
CRN 4877-80-9

CMF C18 H12 O6



CM 2

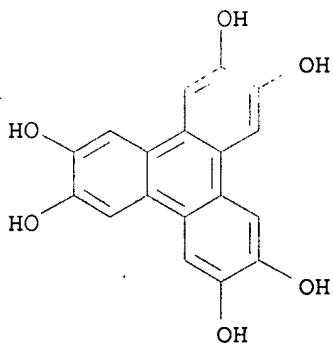
CRN 67-63-0
CMF C3 H8 O



RN 244076-77-5 CAPLUS
CN 2,3,6,7,10,11-Triphenylenehexol, compd. with 1-butanol (1:3) (9CI) (CA INDEX NAME)

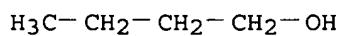
CM 1

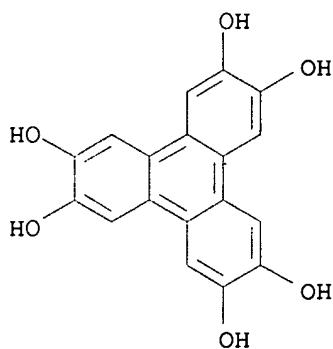
CRN 4877-80-9
CMF C18 H12 O6



CM 2

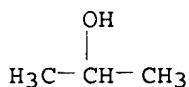
CRN 71-36-3
CMF C4 H10 O





CM 2

CRN 67-63-0
CMF C3 H8 O

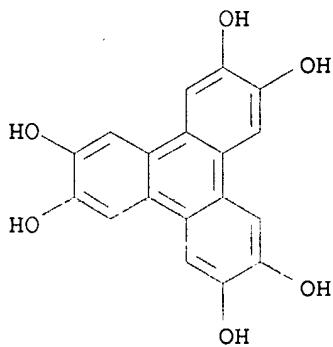


RN 244076-77-5 CAPLUS

CN 2,3,6,7,10,11-Triphenylenehexol, compd. with 1-butanol (1:3) (9CI) (CA INDEX NAME)

CM 1

CRN 4877-80-9
CMF C18 H12 O6



CM 2

CRN 71-36-3
CMF C4 H10 O



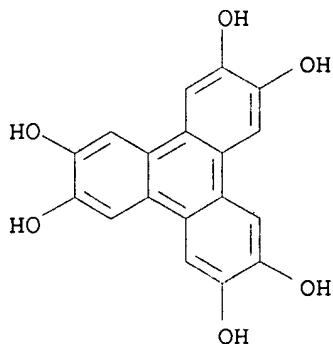
RN 244076-78-6 CAPLUS

CN 2,3,6,7,10,11-Triphenylenehexol, compd. with cyclopentanol (1:3) (9CI)
(CA INDEX NAME)

CM 1

CRN 4877-80-9

CMF C18 H12 O6



CM 2

CRN 96-41-3

CMF C5 H10 O



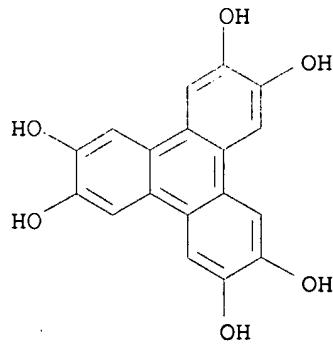
RN 244076-79-7 CAPLUS

CN 2,3,6,7,10,11-Triphenylenehexol, compd. with cyclohexanol (1:3) (9CI) (CA
INDEX NAME)

CM 1

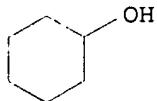
CRN 4877-80-9

CMF C18 H12 O6



CM 2

CRN 108-93-0
CMF C6 H12 O

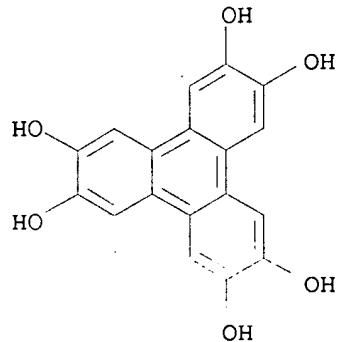


RN 244076-80-0 CAPLUS

CN 2,5-Hexanedione, compd. with 2,3,6,7,10,11-triphenylenehexol (3:2) (9CI)
(CA INDEX NAME)

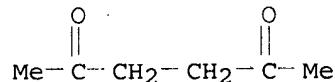
CM 1

CRN 4877-80-9
CMF C18 H12 O6



CM 2

CRN 110-13-4
CMF C6 H10 O2

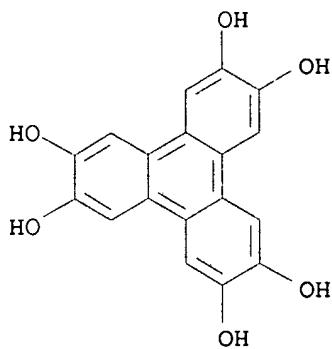


RN 244076-81-1 CAPLUS

CN Cyclopentanone, 2-methyl-, compd. with 2,3,6,7,10,11-triphenylenehexol
(3:1) (9CI) (CA INDEX NAME)

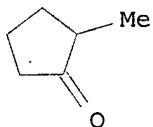
CM 1

CRN 4877-80-9
CMF C18 H12 O6



CM 2

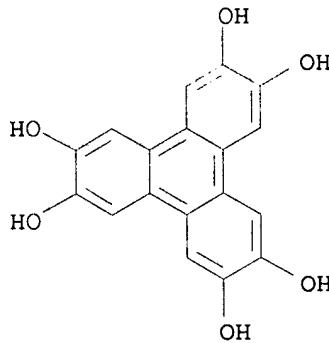
CRN 1120-72-5
CMF C6 H10 O



RN 244076-82-2 CAPLUS
CN Cyclohexanone, compd. with 2,3,6,7,10,11-triphenylenehexol (3:1) (9CI)
(CA INDEX NAME)

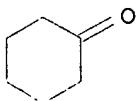
CM 1

CRN 4877-80-9
CMF C18 H12 O6



CM 2

CRN 108-94-1
CMF C6 H10 O



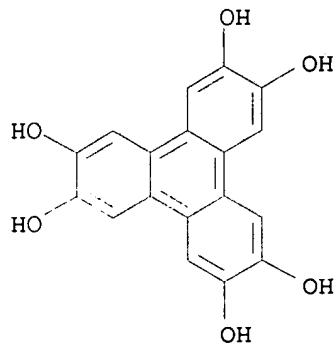
RN 244076-83-3 CAPLUS

CN Cyclohexanone, 2-methyl-, compd. with 2,3,6,7,10,11-triphenylenehexol (3:1) (9CI) (CA INDEX NAME)

CM 1

CRN 4877-80-9

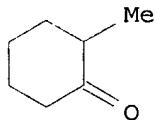
CMF C18 H12 O6



CM 2

CRN 583-60-8

CMF C7 H12 O



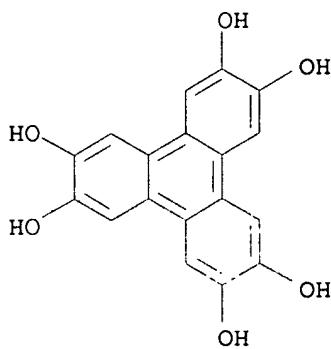
RN 244076-84-4 CAPLUS

CN Cyclohexanone, 3-methyl-, compd. with 2,3,6,7,10,11-triphenylenehexol (3:1) (9CI) (CA INDEX NAME)

CM 1

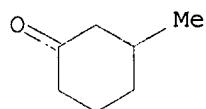
CRN 4877-80-9

CMF C18 H12 O6



CM 2

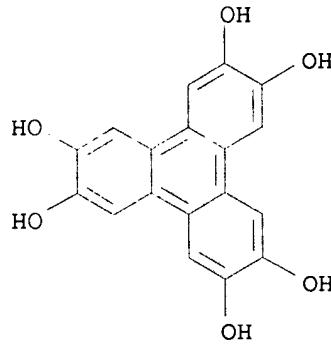
CRN 591-24-2
CMF C7 H12 O



RN 244076-85-5 CAPLUS
CN 2(3H)-Furanone, dihydro-, compd. with 2,3,6,7,10,11-triphenylenehexol
(3:1) (9CI) (CA INDEX NAME)

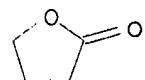
CM 1

CRN 4877-80-9
CMF C18 H12 O6



CM 2

CRN 96-48-0
CMF C4 H6 O2



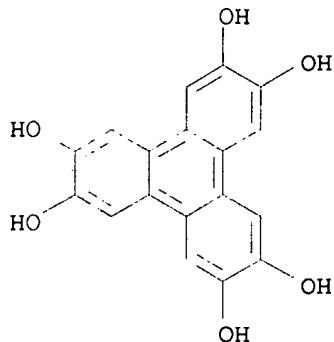
RN 244076-86-6 CAPLUS

CN 2,3,6,7,10,11-Triphenylenehexol, compd. with tetrahydrofuran (1:2) (9CI)
(CA INDEX NAME)

CM 1

CRN 4877-80-9

CMF C18 H12 O6



CM 2

CRN 109-99-9

CMF C4 H8 O



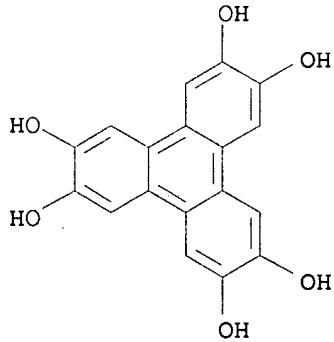
RN 244076-87-7 CAPLUS

CN 2,3,6,7,10,11-Triphenylenehexol, compd. with 1,4-dioxane (1:2) (9CI) (CA INDEX NAME)

CM 1

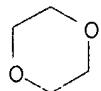
CRN 4877-80-9

CMF C18 H12 O6

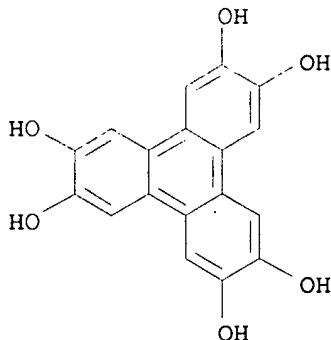


CM 2

CRN 123-91-1
CMF C4 H8 O2



IT 4877-80-9P, 2,3,6,7,10,11-Hexahydroxytriphenylene
RL: PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(purification of hexahydroxytriphenylene by dissoln. in guest compds., crystallization, and release of guest compds.)
RN 4877-80-9 CAPLUS
CN 2,3,6,7,10,11-Triphenylenehexol (9CI) (CA INDEX NAME)



IT 120-80-9, Catechol, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(purification of hexahydroxytriphenylene by dissoln. in guest compds., crystallization, and release of guest compds.)
RN 120-80-9 CAPLUS
CN 1,2-Benzenediol (CA INDEX NAME)

